

ADAPTIVE SUPPLY VOLTAGE BODY BIAS  
APPARATUS AND METHOD THEREOF

Inventor: Oscar Ming Kin Law  
Atty. Docket No.: 00100.04.0002

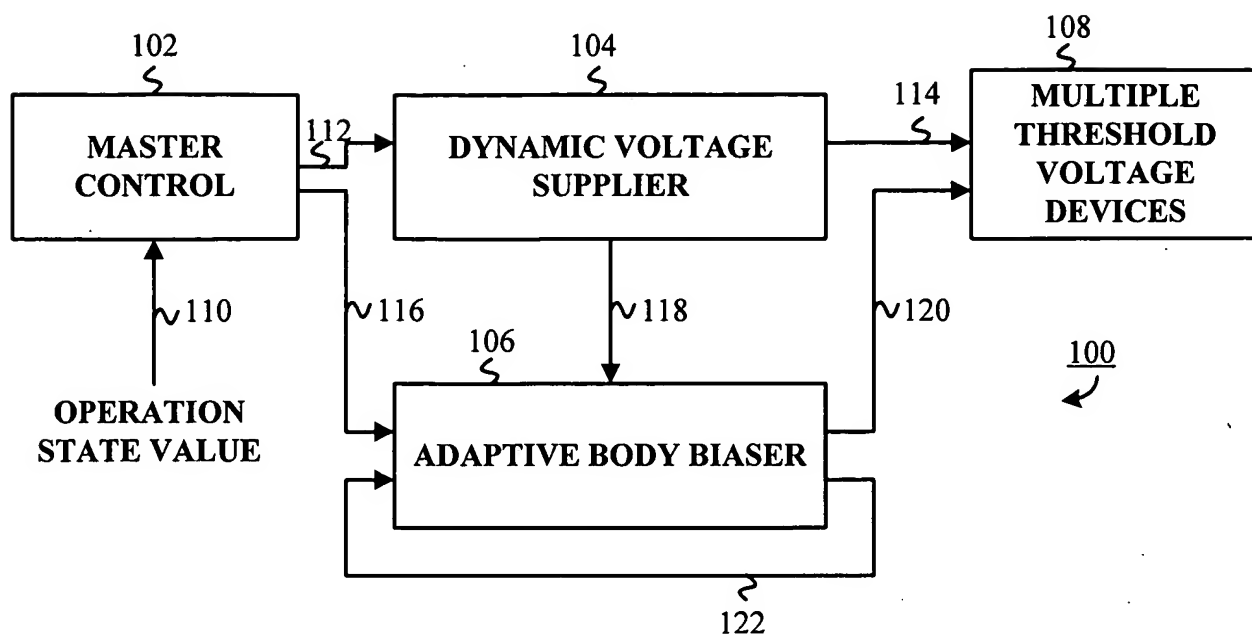


FIG. 1

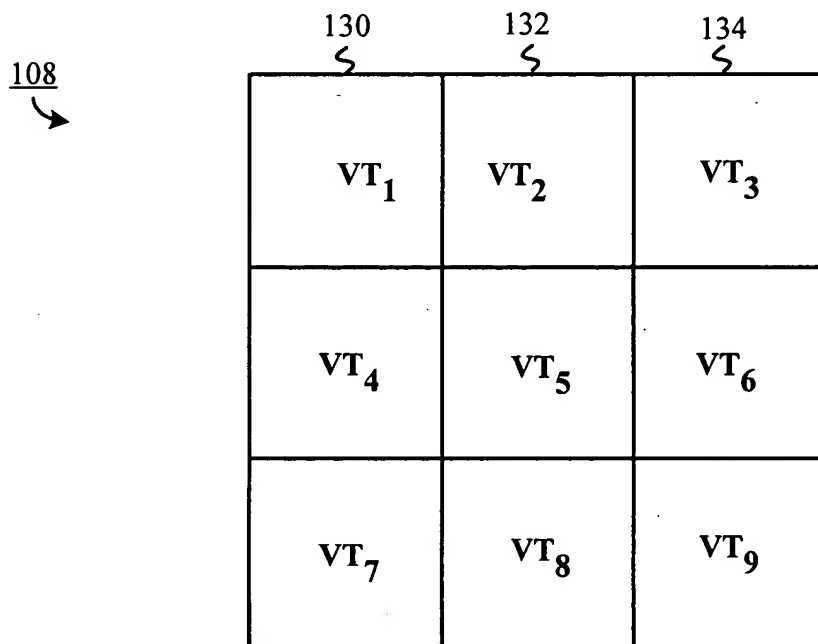


FIG. 2

# ADAPTIVE SUPPLY VOLTAGE BODY BIAS APPARATUS AND METHOD THEREOF

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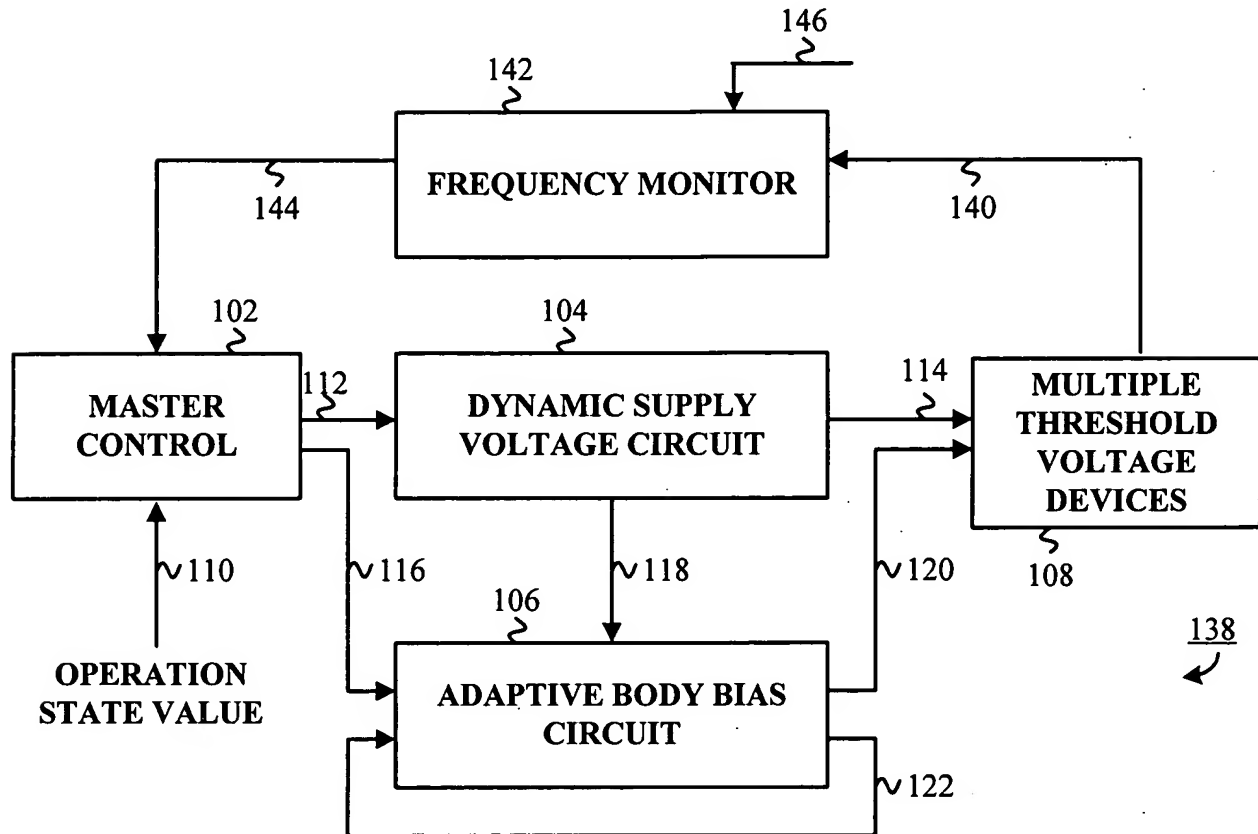


FIG. 3

	110 OPERATION STATE VALUE	114 SUPPLY VOLTAGE	120 BODY BIAS
152	SUPER CHARGE	VddH	VbbH1
154	HIGH PERFORMANCE	VddH	VbbH2
156	MODERATE PERFORMANCE	VddL	VbbL1
158	LOW PERFORMANCE	VddL	VbbL2
160	STANDBY MODE	VddX	VbbX

FIG. 4

150 ↗

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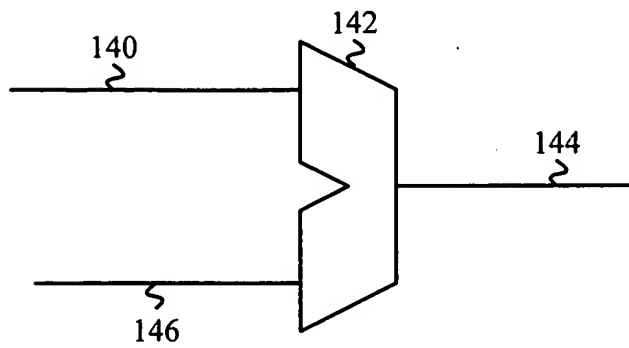


FIG. 5

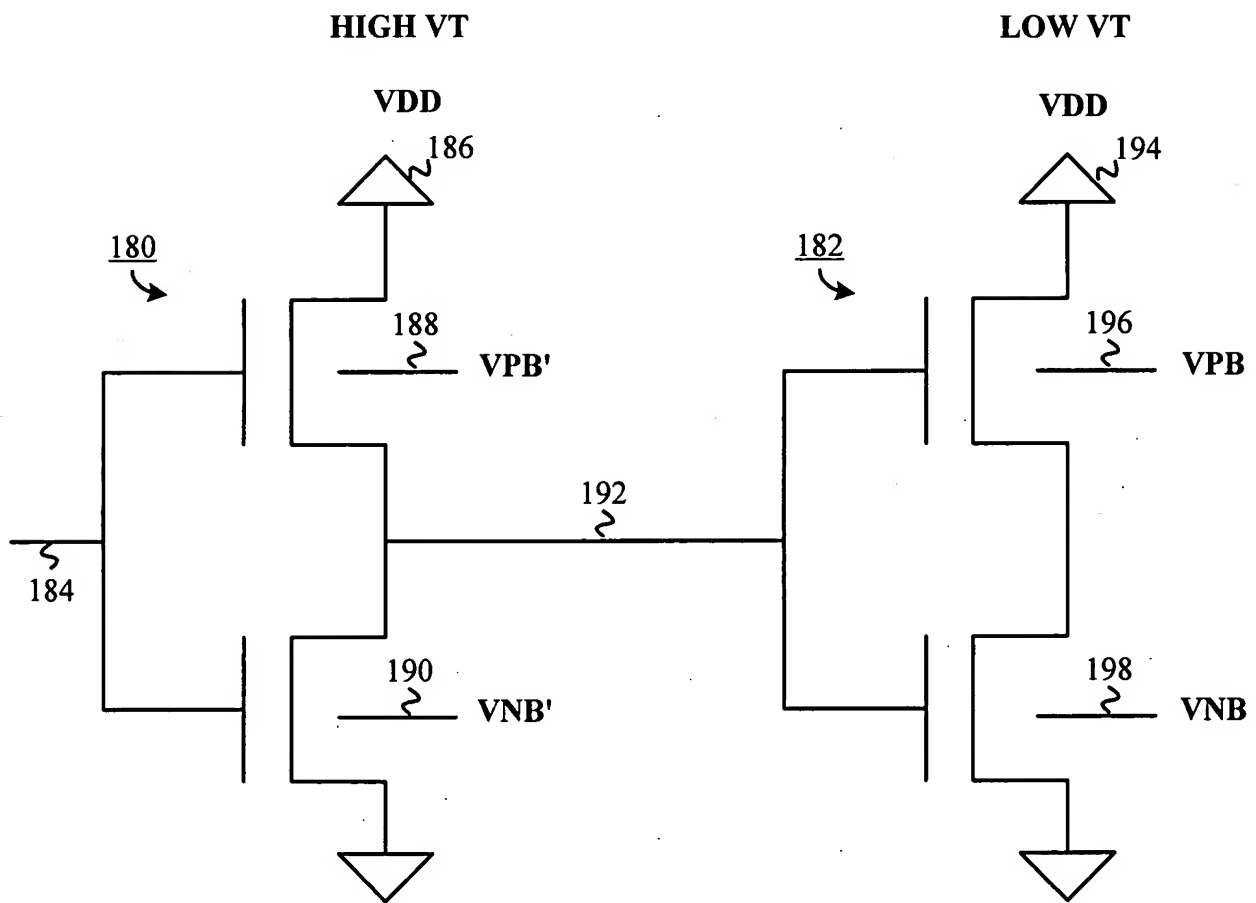


FIG. 6

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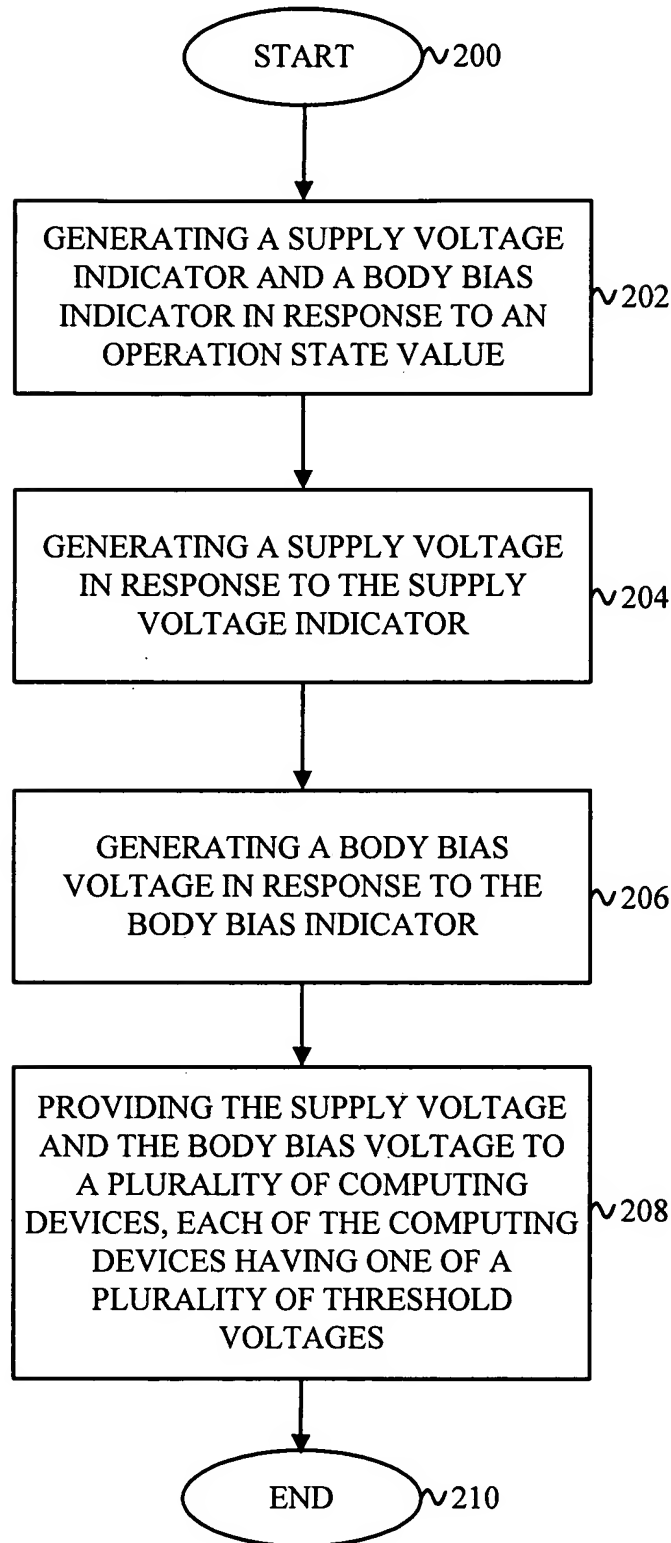


FIG. 7

ADAPTIVE SUPPLY VOLTAGE BODY BIAS  
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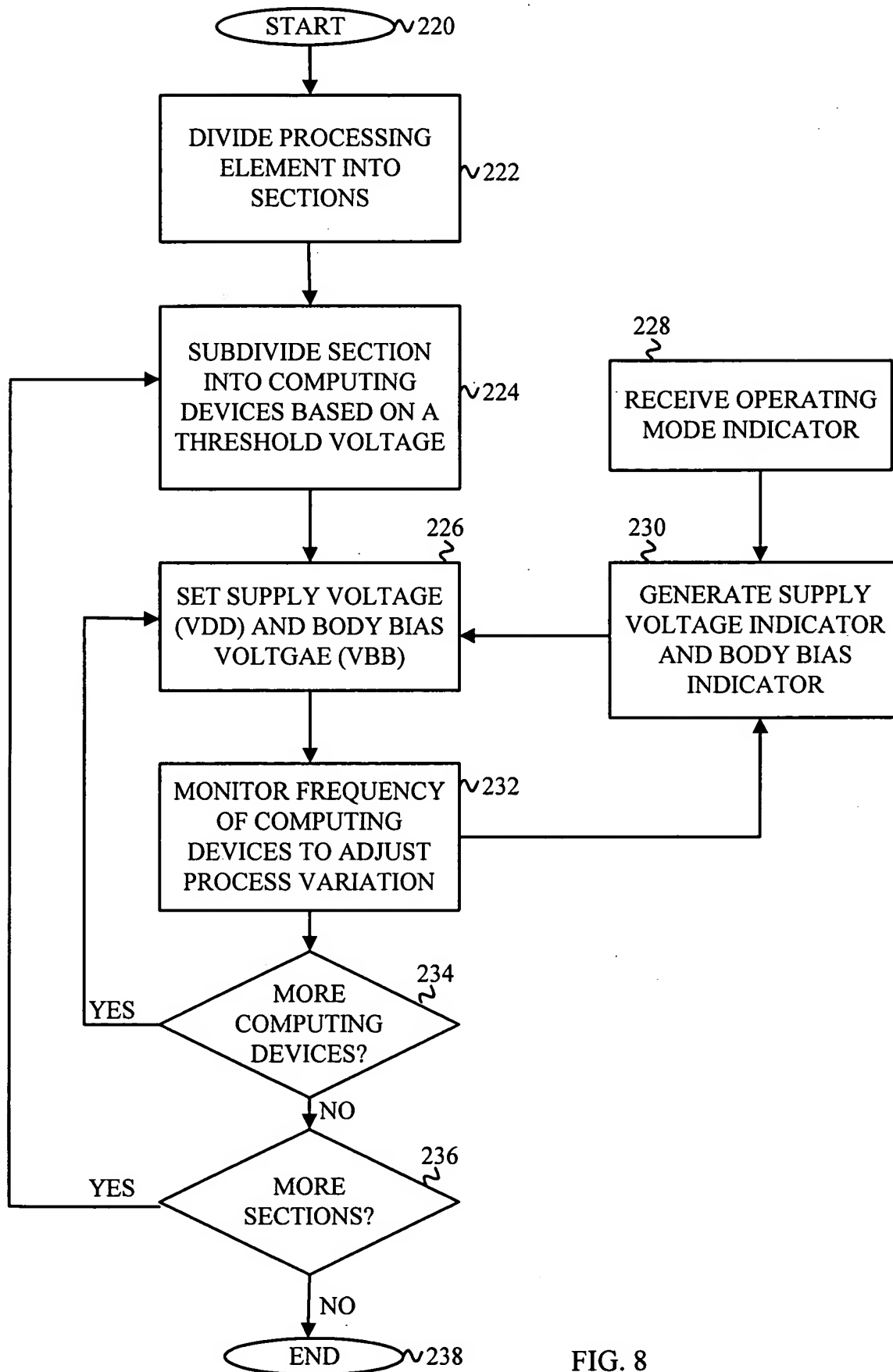


FIG. 8